

Title (en)

METHODS AND APPARATUS OF AGGREGATING AND COMMUNICATING TRACKING INFORMATION WITH ROUTING SET-UP FOR TRACKING DEVICES

Title (de)

VERFAHREN UND VORRICHTUNGEN ZUM AGGREGIEREN UND ÜBERMITTELN VON TRACKING-INFORMATIONEN MIT ROUTING-SET-UP FÜR TRACKING-EINRICHTUNGEN

Title (fr)

PROCEDES ET APPAREIL D'AMASSEMENT ET DE COMMUNICATION DE DONNEES DE LOCALISATION AVEC DES REGLAGES D'ACHEMINEMENT POUR DISPOSITIFS DE LOCALISATION

Publication

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Application

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Abstract (en)

[origin: WO2005065363A2] Devices, such as tracking devices, collect, format, and package data into messages, and cooperate with one another to establish the routing necessary for a relay network in which a device having power-efficient and data-reliable communication with an access portal, operates to relay messages from devices which do not have an acceptable communication path to and/or from the access portal. -In one aspect of the invention, a plurality of devices synchronously determine whether an acceptable communication path can be established between themselves and one or more access portals by measuring the signal strength of an access portal beacon,. In another aspect of the invention, one or more devices, which have determined that an acceptable communication path can be established between themselves and an access portal, transmit information regarding their availability to relay messages on behalf of devices which have determined that an acceptable communication path cannot be established between themselves and an access portal.

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